

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK

DRILL ☒

DEEPEN ☐

PLUG BACK ☐

b. TYPE OF WELL

OIL  
WELL ☒

GAS  
WELL ☐

OTHER ☐ TIGHT HOLE

SINGLE  
ZONE ☐

MULTIPLE  
ZONE ☐

2. NAME OF OPERATOR

Yates Petroleum Corporation

LEASE Expires 12-19-86

3. ADDRESS OF OPERATOR

105 South Fourth Street - Artesia, NM 88210

Must BE

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)

At surface

2150' FNL + 660' FWL

Producing

At proposed prod. zone

SAME

SW/NW

By Then

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE\*

15. DISTANCE FROM PROPOSED\*

LOCATION TO NEAREST  
PROPERTY OR LEASE LINE, FT.  
(Also to nearest drlg. unit line, if any)

660'

16. NO. OF ACRES IN LEASE

1200

18. DISTANCE FROM PROPOSED LOCATION\*  
TO NEAREST WELL, DRILLING, COMPLETED,  
OR APPLIED FOR, ON THIS LEASE, FT.

1 mile

19. PROPOSED DEPTH

6355'

21. ELEVATIONS (Show whether DF, RT, GR, etc.)

5394' GL

23.

PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
17-1/2"	13-3/8"	48# H-40	Approx. 100'	50 sacks
12-1/4"	8-5/8"	24# J-55	" 2230'	950 sacks
7-7/8"	5-1/2"	15.5# J-55	TD	450 sacks

Yates Petroleum Corporation proposes to drill and test the Akah and intermediate formations. Approximately 2230' of surface casing will be set and cement circulated to shut off gravel and cavings. If commercial, production casing will be run and cemented with adequate cover, perforated and stimulated as needed for production.

MUD PROGRAM: FW to 5500'; fresh water gel to TD. MW 9.0-10.4, Vis 35-45, FL 10-15

BOP PROGRAM: BOP's will be nipped up when surface casing is set.

ROAD ROW FEE WILL BE Submitted to BLM

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24.

SIGNED

Cy Cowan

TITLE

Regulatory Agent

DATE

Nov. 19, 1986

(This space for Federal or State office use)

PERMIT NO.

43-037-91292

APPROVAL DATE

APPROVED BY THE STATE  
OF UTAH DIVISION OF  
OIL, GAS, AND MINING

APPROVED BY

TITLE

DATE:

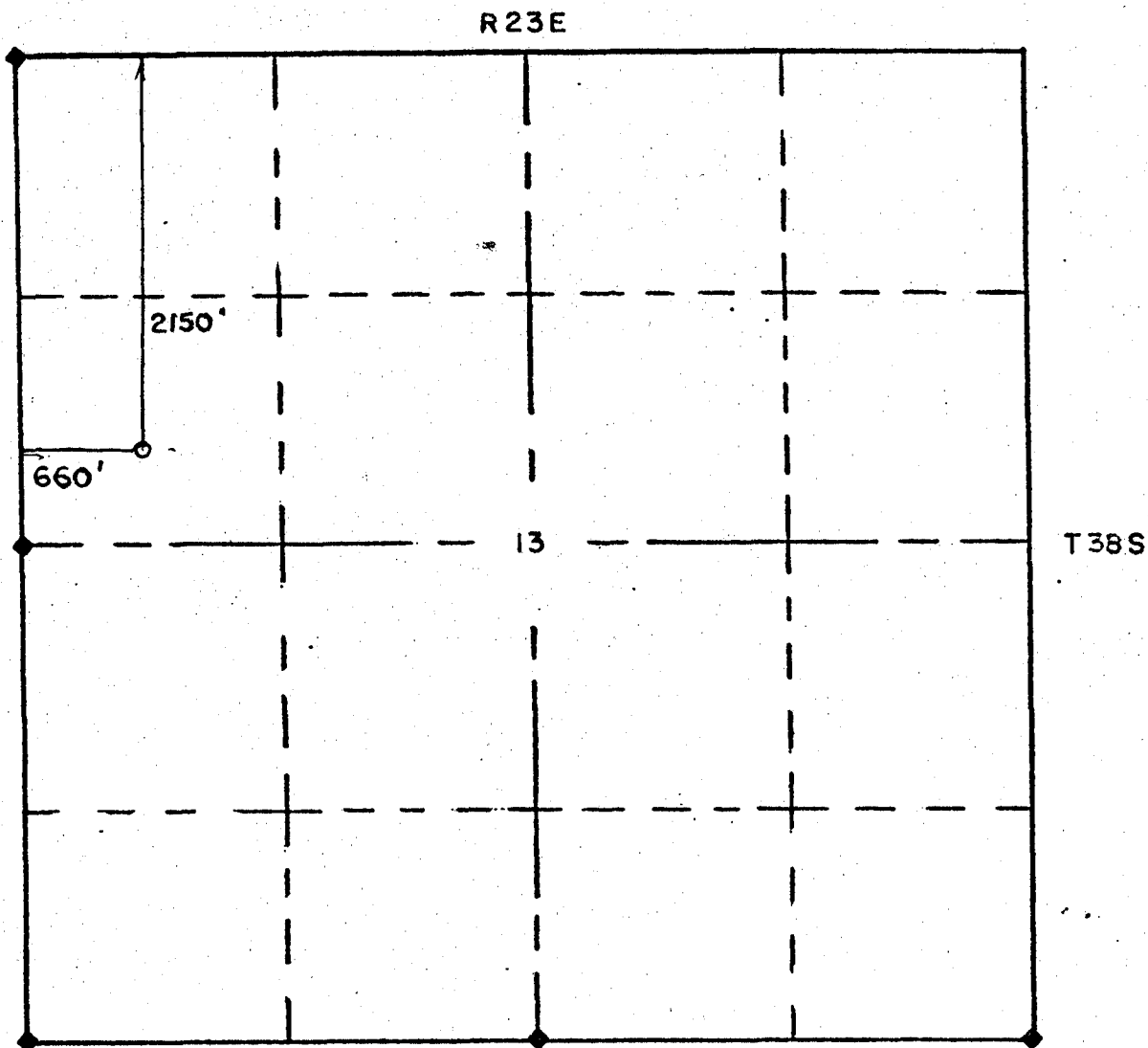
BY:

WELL SPACING:

302

\*See Instructions On Reverse Side

WELL LOCATION PLAT

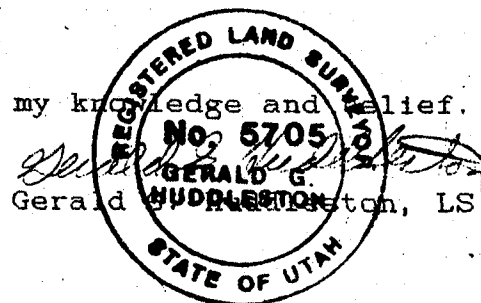


WELL LOCATION DESCRIPTION:

YATES PETROLEUM  
Wash Federal #1  
2150' FNL & 660' FWL  
Section 13, T.38 S., R.23 E., SLM  
San Juan County, Utah  
5394' ground elevation  
Reference: 200' South 5387'  
200' East 5396'

The above plat is true and correct to my knowledge and belief.

11-17-'86



YATES PETROLEUM CORPORATION  
Wash Federal #1  
**2150' FNL + 660' FWL**  
Section 13-T38S-R23E  
San Juan County, Utah

In conjunction with Form 9-331C, Application for Permit to Drill subject well, Yates Petroleum Corporation submits the following ten items of pertinent information in accordance with BLM requirements.

1. The geologic surface formation is the Burro Canyon formation.
2. The estimated tops of geologic markers are as follows:

Burro Canyon	Surface	Paradox	5785'
Morrison	150'	Upper Ismay	5930'
Entrada	1060'	Lower Ismay	6125'
Navajo	1245'	Desert Creek	6215'
Chinle	2130'	Lower Desert Creek	6275'
Cutler	2940'	Akah	6320'
Honaker Trail	4830'	TD	6355'

3. The estimated depths at which anticipated water, oil or gas formations are expected to be encountered are:

Water: Surface to 1375'

Oil or Gas: Honaker Trail 4830'; Upper Ismay 5930'; Desert Creek 6215'

4. Proposed Casing Program:

Surface Casing: There will be one stage of cement. Cemented with 950 sacks of Class C 2% CaCl<sub>2</sub> (700 cubic feet of cement) circulated. Casing shoe will be set at 2230' and float equipment set at approx. 1990'.

Production Casing: There will be one stage or as warranted of cement. Cemented with enough Class C to equal 235 cubic feet or approximately 310 sacks to reach estimated top at 5000'. Float collar will be set at approx. 40' above TD with casing shoe set at TD.

NOTE: THE SAN JUAN RESOURCE AREA WILL BE NOTIFIED ONE (1) DAY PRIOR TO RUNNING CASING STRINGS AND CEMENT AND PRESSURE TESTS.

5. Pressure Control Equipment: See Form 9-331C. NOTE: The San Juan Resource Area will be notified 1 day prior to pressure testing.

6. Mud Program:

<u>DEPTH</u>	<u>TYPE</u>	<u>WEIGHT #/GAL.</u>	<u>VIS-sec./qt</u>	<u>FLUID LOSS</u>
0-5500'	FW			
5500-TD	FW Gel/starch	9.0-10.4	35-45	10-15

7. Auxiliary Equipment: Kelly cock; pit level indicators and flow sensor equipment, sub with full-opening valve on floor, drill pipe connection.

8. Testing, Logging and Coring Program:

Samples: 10' samples out from under surface casing to TD  
DST's: Two (2) possible  
Coring: None  
Logging: DIL & CNL/LDT from TD to casing. Possible dipmeter and sonic.

9. No abnormal pressures or temperatures are anticipated.
10. Anticipated starting date: As soon as possible after approval.

MOAB DISTRICT

CONDITIONS OF APPROVAL FOR PERMIT TO DRILL

Company Yates Petroleum Well Name WASH FED #1  
Location: Section 13 Township 38S Range 23E  
County SAN JUAN State UTAH Lease No. U-55626  
2150 FWL, 660 FWL

All lease and/or unit operations will be conducted in such a manner that full compliance is made with applicable laws, regulations (43 CFR 3100), Onshore Oil and Gas Order No. 1, and the approved plan of operations. The operator is fully responsible for the actions of his subcontractors. A copy of these conditions will be furnished to the field representative to ensure compliance.

A. DRILLING PROGRAM:

1. Surface Formation and Estimated Formation Tops: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

2. Estimated Depth at Which Oil, Gas, Water or Other Minerals Bearing Zones are Expected to be Encountered:

	<u>Formation</u>	<u>Zone</u>
Expected Oil Zones:	_____	_____
Expected Gas Zones:	_____	_____
Expected Water Zones:	_____	_____
Expected Minerals Zones:	_____	_____

All fresh water and prospectively valuable minerals (as described by BLM at onsite) encountered during drilling, will be recorded by depth, cased and cemented. All oil and gas shows will be tested to determine commercial potential.

3. Pressure Control Equipment: \_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

3. CONTINUED:

BOP systems will be consistent with API RP 53. Pressure tests will be conducted before drilling out from under all casing strings which are set and cemented in place. Blowout preventor controls will be installed prior to drilling the surface plug and will remain in use until the well is completed or abandoned. Preventors will be inspected and operated at least daily to ensure good mechanical working order, and this inspection recorded on the daily drilling report. Preventors will be pressure tested before drilling casing cement plugs. The San Juan Resource Area (~~will/will not~~ be notified \_\_\_\_ / \_\_\_\_ days before pressure testing.

4. Casing Program and Auxiliary Equipment: \_\_\_\_\_

Anticipated cements tops will be reported as to depth, not the expected number of sacks. The San Juan Resource Area (will/will not) be notified \_\_\_\_ / \_\_\_\_ days before running casing strings and cement.

5. Mud Program and Circulating Medium: \_\_\_\_\_

6. Coring, Logging and Testing Program: \_\_\_\_\_

Whether the well is completed as a dry hole or as a producer, "Well Completion and Recompletion Report and Log" (Form 3160-4) will be submitted not later than 30 days after completion of the well or after completion of operations being performed, in accordance with 43 CFR 3164. Two copies of all logs, core descriptions, core analysis, well-test data, geologic summaries, sample description, and all other surveys or data obtained and compiled during the drilling, workover, and/or completion operations, will be filed with Form 3160-4. If requested, samples (cuttings, fluids and/or gases) will be submitted to the District Manager.

7. Abnormal Conditions, Bottom Hole Pressures and Potential Hazards: \_\_\_\_\_

8. Anticipated Starting Dates and Notifications of Operations:

The operator will contact the San Juan Resource Area at 801-587-2001, 48 hours before beginning any dirt work.

No location will be constructed or moved, no well will be plugged and no drilling or workover equipment will be removed from a well to be placed in a suspended status without prior approval of the District Manager. If operations are to be suspended, prior approval of the District Manager will be obtained and notification given before resumption of operations.

The spud date will be reported orally to the San Juan Area Manager, a minimum of 24 hours before spudding. A Sundry Notice (Form 3160-5) will be sent within 24 hours after spudding, reporting the spud date and time. The Sundry will be sent to the District Manager. If the spudding is on a weekend or holiday, the Sundry will be submitted on the following regular work day.

In accordance with Onshore Oil and Gas Order No. 1, this well will be reported on Form 9-329 "Monthly Report of Operations," starting with the month in which operations begin and continue each month until the well is physically plugged and abandoned. This report will be sent to the BLM District Office, P. O. Box 970, Moab, Utah 84532.

Immediate Report: Spills, blowouts, fires, leaks, accidents, or any other unusual occurrences shall be promptly reported to the Resource Area in accordance with requirements of NTL-3A.

If a replacement rig is planned for completion operations, a Sundry Notice (Form 3160-5) to that effect will be filed, for prior approval of the District Manager. All conditions of this approved plan are applicable during all operations conducted with the replacement rig. In emergencies, verbal approval can be given by the District Petroleum Engineer.

If the well is successfully completed for production, then the District Manager will be notified when the well is placed in a producing status. Such notification will be sent by telegram or other written communication, not later than 5 business days following the date on which the well is placed on production.

No well abandonment operations will begin without the prior approval of the District Manager. In the case of newly drilled dry holes or failures, and in emergencies, oral approval will be obtained from the District Petroleum Engineer. A "Subsequent Report of Abandonment" (Form 3160-5), will be filed with the District Manager within 30 days following completion of the well for abandonment. This report will indicate where plugs were placed and the current status of surface restoration.

Final abandonment will not be approved until the surface reclamation work required by the approved APD or approved abandonment notice has been completed to the satisfaction of the San Juan Area Manager, or the appropriate surface manager.

Approval to vent/flare gas during initial well evaluation will be obtained from the District Office. This preliminary approval will not exceed 30 days or 50 MMCF gas. Approval to vent/flare beyond this initial test period will require District Office approval pursuant to guidelines in NTL-4A.

Upon completion of approved plugging, a regulation marker will be erected in accordance with 43 CFR 3162.6. The following information will be permanently beaded-on with a welding torch: Fed, Well number, location by 1/4 1/4 section, township and range, lease number.

A first production conference will be scheduled within 15 days after receipt of the first production notice. The San Juan Area Manager will schedule the conference.

Other: The following may be inspected and/or witnessed:

1. The cementing and testing of surface casing and testing BOP's.
2. (Dry Hole) Setting and testing of surface casing shoe plug.
3. (Depleted Producer) The setting and testing of plugs across the producing horizon and if applicable the surface casing shoe plug and/or annulus (Casing to formation) squeeze jobs.

Notify the San Juan Resource Area (Mike Wade) one day or on dry hole as soon as possible prior to the above at 801-587-2201 (Home 801-587-2026 or if unable to reach Mike, call Moab District Office Greg Noble at 801-259-6111 (Home) 801-259-8811.

#### B. THIRTEEN POINT SURFACE USE PLAN

1. Existing Roads: Shown in Red

A. Location of proposed well in relation to town or other reference point:

APPROX 6 miles Northwest of Hatch Trading P

B. Proposed route to location:

County roads  
Refer to Exhibit A 206 + 208

C. Plans for improvement and/or maintenance of existing roads: County

maintained roads will be used

The maximum total disturbed width will be N/A feet.

D. An encroachment permit will be obtained from the San Juan County Road Department, 801-587-2231, ext. 43.

E. Other: \_\_\_\_\_

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_



2. PLANNED ACCESS ROADS

- A. The maximum total disturbed width will be 30 feet.
- B. Maximum grade: N/A
- C. Turnouts: AS NEEDED
- D. Location (centerline): Flagged
- E. Drainage: As needed
- F. Surface Materials: Native
- G. Other: If needed during wet weather road may be upgraded. 1/4 mile of road in NW/SE SEC. 14 ROW NEEDED. Surface strips will apply from APD SO<sup>2</sup> will be given to BLM.

Each fence which is crossed by the road will be braced as shown in Enclosure No. 1, and tied off before cutting to prevent slackening of the wire. A gate or cattleguard which must be approved by BLM, will be installed.

~~If road construction cuts through natural topography which serves as a livestock barrier, a fence shall be constructed as shown in Enclosure 1.~~

Surface disturbance and vehicular travel will be limited to the approved location and approved access route. Any additional area needed will be approved in advance by the San Juan Area Manager.

The access road will be water barred or brought to Class III Road Standards within 60 days of dismantling of the drill rig. If this time frame cannot be met, the San Juan Area Manager will be notified so that temporary drainage control can be installed along the access road.

The Class III Road Standards which ensure drainage control over the entire road through the use of natural, rolling topography; ditch turnouts; drainage dips; outsloping; crowning; low water crossings; and culverts will be determined at the appropriate field inspection.

3. Location of Existing Wells: Note Exhibit E - one mile radius map

4. Location of Tank Batteries and Production Facilities:

All permanent (on site for 6 months or longer) above ground facilities (including pump jacks) will be painted a flat, nonreflective, earthtone color to match the standard environmental colors, as determined by the Rocky Mountain 5-State Inter-agency Committee. All facilities will be painted within 6 months of installation. Facilities required to comply with the Occupational Safety and Health Act (OSHA) will be excluded. The color will be Neutral.

If a tank battery is constructed on this lease, it will be surrounded by a dike of sufficient capacity to contain 1-1/2 times the storage capacity of the battery.

All loading lines will be placed inside the berm surrounding the tank battery.

All site security guidelines identified in 43 CFR 3162.7 regulations will be adhered to. All product lines entering and leaving hydrocarbon storage tanks will be effectively sealed.

All off-lease storage, off-lease measurement, or commingling on-lease or off-lease will have prior written approval from the District Manager.

Gas meter runs for each well will be located within 500 feet of the wellhead. The gas flowline will be buried from the wellhead to the meter and 500 feet downstream of the meter run or any production facilities. Meter runs will be housed and/or fenced.

The oil and gas measurement facilities will be installed on the well location. The oil and gas meters will be calibrated in place before any deliveries. Tests for meter accuracy will be conducted monthly for the first 3 months on new meter installations and at least quarterly thereafter. The San Juan Area Manager will be provided with a date and time for the initial meter calibration and all future meter proving schedules. A copy of the meter calibration reports will be submitted to the San Juan Area Manager. All meter measurement facilities will conform with the API standards for liquid hydrocarbons and the AGA standard for natural gas measurement.

5. LOCATION AND TYPE OF WATER SUPPLY

All water needed for drilling purposes will be obtained from: Private source

Use of water for this operation will be approved by obtaining a temporary use permit from the Utah State Engineer (801) 637-1303 and by receiving permission from the land owner or surface management agency to use the land containing the water source.

6. SOURCE OF CONSTRUCTION MATERIALS

Pad construction material will be obtained from: native materials will be used

The use of materials under BLM jurisdiction will conform to 43 CFR 3610.2-3. Construction material (~~will~~/will not) be located on lease.

7. METHODS OF HANDLING WASTE DISPOSAL

The reserve pit (~~will/will not~~) be lined with commercial bentonite sufficient to prevent seepage. At least half of the capacity will be in cut.

*If clay is discovered during construction, pits will not be lined*  
Three sides of the reserve pit will be fenced with four strands of barbed wire before drilling starts. The fourth side will be fenced as soon as the drilling is completed. The fence will be kept in good repair while the pit is drying.

7. CONTINUED:

A trash pit will be constructed near the mud tanks and dug at least six feet into solid undisturbed material. It will be totally enclosed with a fine wire mesh before the rig moves in. The road and pad will be kept litter free.

A burning permit is required for burning trash between May 1 and October 31. This can be acquired by contact the San Juan County Sheriff in Monticello, Utah.

Produced waste water will be confined to a (lined/unlined) pit for a period not to exceed 90 days after initial production. During the 90 day period an application for approval of a permanent disposal method and location, along with the required water analysis, will be submitted for the District Manager's approval pursuant to Onshore Oil and Gas Order No. 3 (NTL-2B).

8. ANCILLARY FACILITIES

Camp facilities (~~will~~/will not) be required. They will be located: \_\_\_\_\_

9. WELL SITE LAYOUT

The reserve pit will be located: South east side of PAD

Soil that can be saved will be removed from the location and stockpiled separate from the trees on the uphill side. Topsoil along the access will be reserved in place.

Access to the well pad will be from: North west

10. RECLAMATION

- A. Immediately on completion of drilling, all trash and debris will be collected from the location and surrounding area. All trash and debris will be disposed of in the trash pit and will then be compacted and buried under a minimum of two feet of compacted soil.
- B. The operator/holder or his contractor will contact the San Juan Resource Area office in Monticello, Utah, 801-587-2201, 48 hours before starting reclamation work that involves earthmoving equipment and upon completion of restoration measures.
- C. Before any dirt work to restore the location takes place, the reserve pit must be completely dry.
- D. All disturbed areas will be recontoured to blend as nearly as possible with the natural topography. This includes removing all berms and refilling all cuts.
- E. The stockpiled topsoil will be spread evenly over the disturbed area. All disturbed areas will be ripped 12 inches deep with the contour.
- F. Water bars will be built as follows to control erosion.

10. CONTINUED

GRADE

2%  
2-4%  
4-5%  
5+%

SPACING

every 200 feet  
every 100 feet  
every 75 feet  
every 50 feet

- G. Seed will be broadcast between October 1 and February 28 with the following prescription. A harrow or similar implement will be dragged over the area to assure seed cover.

\_\_\_\_ lbs/acre Indian ricegrass (Oryzopsis hymenoides)  
2 lbs/acre Galleta (Hilaria jamesii)  
2 lbs/acre crested wheatgrass (Agropyron desertorum)  
\_\_\_\_ lbs/acre Western wheatgrass (Agropyron smithii)  
\_\_\_\_ lbs/acre Alkali sacaton (Sporobolus airoides)  
\_\_\_\_ lbs/acre Sand dropseed (Sporobolus cryptandrus)  
3 lbs/acre Fourwing saltbush (Atriplex canescens)  
\_\_\_\_ lbs/acre Shadscale (Atriplex confertifolia)  
\_\_\_\_ lbs/acre Green ephedra (Ephedra viridis)  
\_\_\_\_ lbs/acre Cliffrose (Cowania mexicana)  
1 lbs/acre Desert bitterbrush (Purshia glandulosa)  
\_\_\_\_ lbs/acre Winterfat (Eurotia lanata)  
\_\_\_\_ lbs/acre Globemallow (Sphaeralcea ambigua)  
\_\_\_\_ lbs/acre Wild sunflower (Helianthus annuus)  
1/2 lbs/acre Sweet Clover

- H. After seeding is complete, the stockpiled trees will be scattered evenly over the disturbed areas. The access will be blocked to prevent vehicular access.
- I. The reserve pit and that portion of the location and access road not needed for production or production facilities will be reclaimed as described in the reclamation section. Enough topsoil will be kept to reclaim the remainder of the location at a future date. This remaining stockpile of topsoil will be seeded in place using the prescribed seed mixture.

11. Surface Ownership: Federal

Minerals Ownership: Federal

12. Other Information: Are site Northeast of dry hole on  
Access road will not be bladed along blue flags

12. CONTINUED:

There will be no change from the proposed drilling and/or workover program without prior approval from the District Manager. Safe drilling and operating practices must be used. All wells, whether drilling, producing, suspended or abandoned will be identified in accordance with 43 CFR 3162.2.

"Sundry Notice and Report on Wells" (Form 3160-5) will be filed for approval for all changes of plans and other operations in accordance with 43 CFR 3164.

The dirt contractor will be provided with an approved copy of the surface use plan.

If subsurface cultural materials are exposed during construction, work in that spot will stop immediately and the San Juan Resource Area Office will be contacted. All people who are in the area will be informed by the operator/holder that they are subject to prosecution for disturbing archaeological sites or picking up artifacts. Salvage or excavation of identified archaeological sites will be done by a BLM approved archaeologist only if damage occurs.

This permit will be valid for a period of one year from the date of approval. After permit termination a new application will be filed for approval for any future operations.

Your contact with the District Office is: \_\_\_\_\_

Office Phone: \_\_\_\_\_ Address: \_\_\_\_\_

Resource Area Manager's address and contacts:  
Address: \_\_\_\_\_

Your contact is: \_\_\_\_\_

Office Phone: \_\_\_\_\_

13. LESSEE'S OR OPERATOR'S REPRESENTATIVE AND CERTIFICATION  
Representative:

Name: Yates Petroleum Corporation  
Address: 105 South Fourth St. - Artesia, NM 88210  
Phone No. 505-748-1471

Certification:

I hereby certify that I, or persons under my direct supervision, have inspected the proposed drillsite and access route; that I am familiar with the conditions which currently exist; that the statements made in this plan are, to the best of my knowledge, true and correct; and that the work associated with the operations proposed herein will be performed by Yates Petroleum Corporation and its contractors and subcontractors in conformity with this plan and the terms and conditions under which it is approved. This statement is subject to the provisions of 18 U.S.C. 1001 for the filing of a false statement.

11/19/86  
Date

Cy Cowan  
Cy Cowan  
Regulatory Agent

120219  
~~CONFIDENTIAL~~

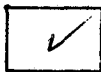
092224

OPERATOR Yates Petroleum Corp. DATE 11-26-86  
WELL NAME Wash Fed. #1  
SEC SW NW 13 T 38S R 23E COUNTY San Juan

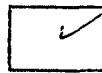
43-037-31292  
API NUMBER

Fed.  
TYPE OF LEASE

CHECK OFF:



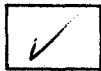
PLAT



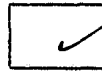
BOND



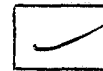
NEAREST  
WELL



LEASE



FIELD



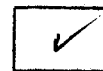
POTASH OR  
OIL SHALE

PROCESSING COMMENTS:

No other well within 920'  
Need water permit

APPROVAL LETTER:

SPACING: ☐ 203 \_\_\_\_\_ UNIT



302



CAUSE NO. & DATE



302.1

STIPULATIONS:

1 - Water



STATE OF UTAH  
NATURAL RESOURCES  
Oil, Gas & Mining

Norman H. Bangerter, Governor  
Dee C. Hansen, Executive Director  
Dianne R. Nielson, Ph.D., Division Director

355 W. North Temple • 3 Triad Center • Suite 350 • Salt Lake City, UT 84180-1203 • 801-538-5340

November 26, 1986

Yates Petroleum Corporation  
105 South Fourth Street  
Artesia, New Mexico 88210

Gentlemen:

Re: Wash Federal #1 - SW NW Sec. 13, T. 38S, R. 23E  
2150' FNL, 660' FWL - San Juan County, Utah

Approval to drill the referenced well is hereby granted in accordance with Rule 302, Oil and Gas Conservation General Rules, subject to the following stipulations:

1. Prior to commencement of drilling, receipt by the Division of evidence providing assurance of an adequate and approved supply of water as required by Chapter 3, Title 73, Utah Code Annotated.

In addition, the following actions are necessary to fully comply with this approval:

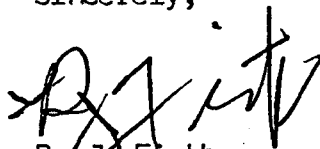
1. Spudding notification to the Division within 24 hours after drilling operations commence.
2. Submittal to the Division of completed Form OGC-8-X, Report of Water Encountered During Drilling.
3. Prompt notification to the Division should you determine that it is necessary to plug and abandon this well. Notify John R. Baza, Petroleum Engineer, (Office) (801) 538-5340, (Home) 298-7695, or R. J. Firth, Associate Director, (Home) 571-6068.
4. Compliance with the requirements and regulations of Rule 311.3, Associated Gas Flaring, Oil and Gas Conservation General Rules.

Page 2  
Yates Petroleum Corporation  
Wash Federal #1  
November 26, 1986

5. Prior to commencement of the proposed drilling operations, plans for toilet facilities and the disposal of sanitary waste at the drill site shall be submitted to the local health department having jurisdiction. Any such drilling operations and any subsequent well operations must be conducted in accordance with applicable State and local health department regulations. A list of all local health departments and copies of applicable regulations are available from the Division of Environmental Health, Bureau of General Sanitation, telephone (801) 533-6163.
6. This approval shall expire one (1) year after date of issuance unless substantial and continuous operation is underway or an application for an extension is made prior to the approval expiration date.

The API number assigned to this well is 43-037-31292.

Sincerely,



R. D. Firth  
Associate Director, Oil & Gas

as  
Enclosures  
cc: Branch of Fluid Minerals  
D. R. Nielson  
8159T



WATER PERMIT  
# 09-1489  
(T-62187)

120217

DIVISION OF OIL, GAS AND MINING

SPUDDING INFORMATION

NAME OF COMPANY: Yates Petroleum Company  
WELL NAME: Wash Federal #1  
SECTION SW NW 13 TOWNSHIP 38S RANGE 23E COUNTY San Juan  
DRILLING CONTRACTOR Coleman  
RIG # 4  
SPUDDED: DATE 11-27-86  
TIME 2:45pm  
HOW Rotary  
DRILLING WILL COMMENCE 11-27-86  
REPORTED BY Bill Hansen  
TELEPHONE # (303) 565-3491

DATE 11/28/86 SIGNED JRB

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK

DRILL ☒

DEEPEN ☐

PLUG BACK ☐

b. TYPE OF WELL

OIL  
WELL ☒

GAS  
WELL ☐

OTHER TIGHT HOLE

SINGLE  
ZONE

MULTIPLE  
ZONE ☐

2. NAME OF OPERATOR

Yates Petroleum Corporation

3. ADDRESS OF OPERATOR

105 South Fourth Street - Artesia, NM 88210

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)

At surface

2150' FNL + 660' FWL

DIVISION OF  
OIL, GAS & MINING

At proposed prod. zone

SAME

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE\*

10. DISTANCE FROM PROPOSED\*

LOCATION TO NEAREST  
PROPERTY OR LEASE LINE, FT.  
(Also to nearest drig. unit line, if any)

660'

16. NO. OF ACRES IN LEASE

1200

17. NO. OF ACRES ASSIGNED  
TO THIS WELL

80

18. DISTANCE FROM PROPOSED LOCATION\*  
TO NEAREST WELL, DRILLING, COMPLETED,  
OR APPLIED FOR, ON THIS LEASE, FT.

1 mile

19. PROPOSED DEPTH

6355'

20. ROTARY OR CABLE TOOLS

Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)

5394' BL

22. APPROX. DATE WORK WILL START\*

ASAP

23.

PROPOSED CASING AND CEMENTING PROGRAM

5. LEASE DESIGNATION AND SERIAL NO.

U-55626

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

Wash Federal

9. WELL NO.

1

10. FIELD AND POOL, OR WILDCAT

Wildcat

11. SEC., T., R., M., OR BLK.  
AND SURVEY OR AREA

Section 13-T38S-R23E

12. COUNTY OR PARISH

San Juan

13. STATE

Utah

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24.

SIGNED

Cy Cowan

TITLE

Regulatory Agent

DATE

Nov. 19, 1986

(This space for Federal or State office use)

PERMIT NO.

/s/ GENE NODINE

APPROVAL DATE

DISTRICT MANAGER

NOV 21 1986

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

FLARING OR VENTING OF  
GAS IS SUBJECT TO NTL 4-A  
DATED 1/1/80

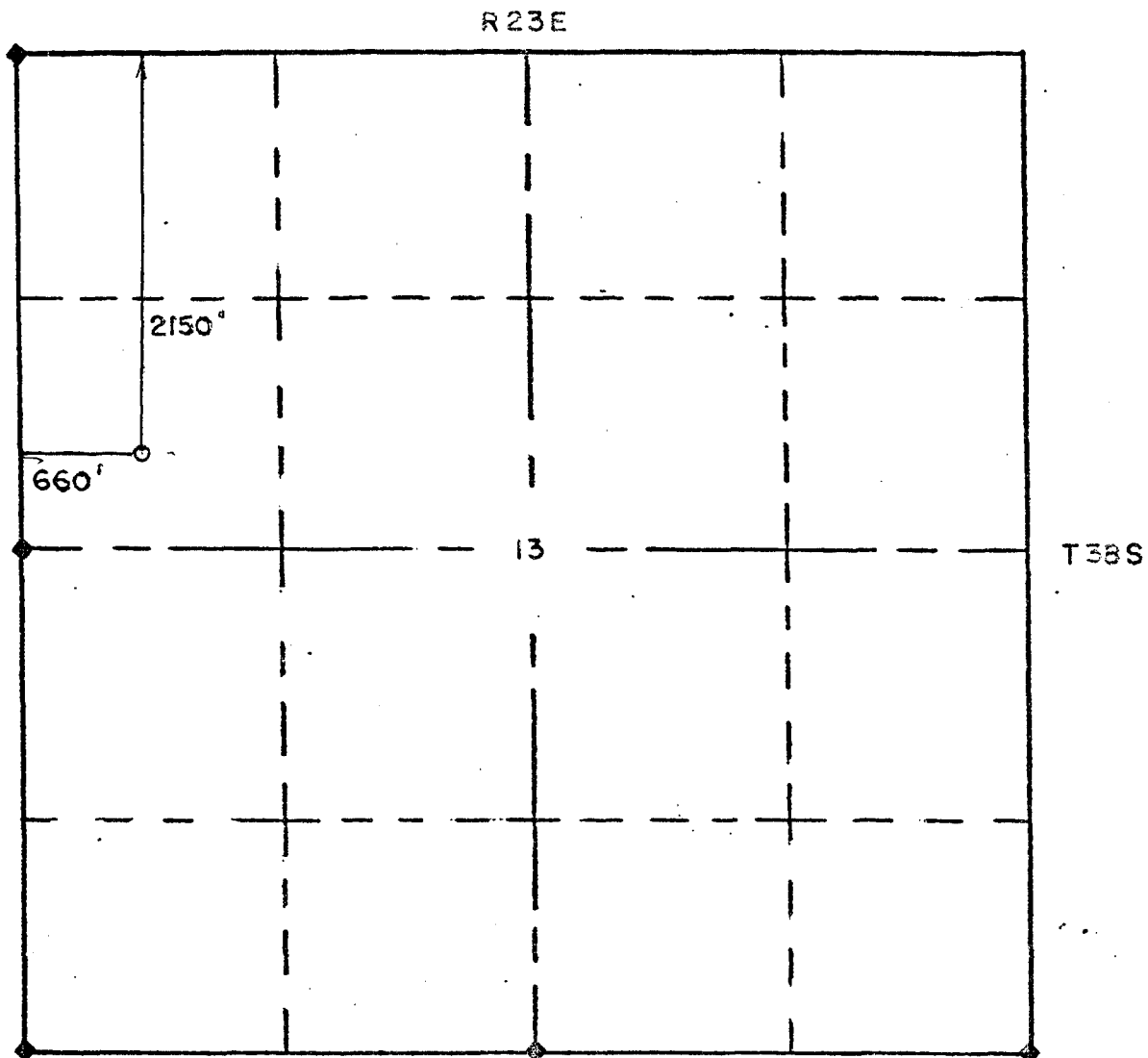
CONDITIONS OF APPROVAL ATTACHED

\*See Instructions On Reverse Side

SUBJECT TO RIGHT OF WAY  
APPROVAL

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

WELL LOCATION PLAT

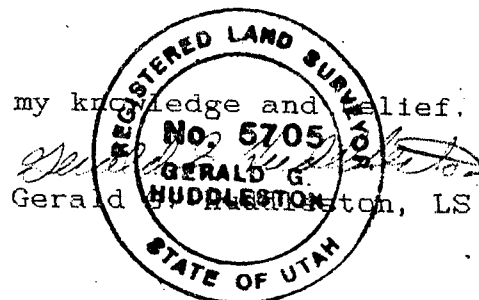


WELL LOCATION DESCRIPTION:

YATES PETROLEUM  
Wash Federal #1  
2150' FNL & 660' FWL  
Section 13, T.38 S., R.23 E., SLM  
San Juan County, Utah  
5394' ground elevation  
Reference: 200' South 5387'  
200' East 5396'

The above plat is true and correct to my knowledge and belief.

11-17-'86



Yates Petroleum Corporation  
Well No. Wash Federal 1  
Sec. 13, T. 38 S., R. 23 E.  
San Juan County, Utah  
Lease U-55626

CONDITIONS OF APPROVAL

Approval of this application does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Yates Petroleum Corporation is the bonded entity as designated operator on this application. If any assignments or designations change, liability will remain with Yates Petroleum Corporation until we are formally notified by letter of the new bonded entity in reference to this Application for Permit to Drill.

A. DRILLING PROGRAM

1. The APD will be rescinded if the well is not spudded by November 28, 1986.
2. If production in paying quantities is not established by December 19, 1986, the lease will expire and all operations will cease.

Yates Petroleum Corporation  
Well No. Wash Federal #1  
Sec. 13, T. 38 S., R. 23 E.  
San Juan County, Utah  
Lease U-55626

CONDITIONS OF APPROVAL

THIRTEEN POINT SURFACE USE PLAN

The archaeological site identified along the access route will be covered with 2 feet of material, and the undisturbed portions of the archaeological site will be fenced for protection.

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

SUBMIT IN DUPLICATE

(See other instructions on reverse side)

Form approved. 122413  
Budget Bureau No. 1004-0137  
Expires August 31, 1985

WELL COMPLETION OR RECOMPLETION REPORT AND LOG \*

1a. TYPE OF WELL: OIL WELL ☒ GAS WELL ☐ DRY ☐ Other TITE HOLE

b. TYPE OF COMPLETION: NEW WELL ☒ WORK OVER ☐ DEEP-EN ☐ PLUG BACK ☐ DIFF. RENVR. ☐ Other

2. NAME OF OPERATOR  
Yates Petroleum Corporation

3. ADDRESS OF OPERATOR  
105 South 4th St., Artesia, NM 88210

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)\*

At surface 2150' FNL & 660' FWL, Sec. 13-T38S-R23E

At top prod. interval reported below

At total depth

14. PERMIT NO. DATE ISSUED  
API #43-037-31292

5. LEASE DESIGNATION AND SERIAL NO.

U-55626

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

Wash Federal

9. WELL NO.

1

10. FIELD AND POOL, OR WILDCAT

Wildcat

11. SEC. T., R., M., OR BLOCK AND SURVEY OR AREA

Section 13-T38S-R23E

12. COUNTY OR PARISH  
San Juan

13. STATE  
Utah

15. DATE SPUDDED 11-28-86 16. DATE T.D. REACHED 12-10-86 17. DATE COMPL. (Ready to prod.) 12-16-86 18. ELEVATIONS (DF, RKB, RT, GR, ETC.)\* 5394' GR 19. ELEV. CASINGHEAD

20. TOTAL DEPTH, MD & TVD 6342' 21. PLUG, BACK T.D., MD & TVD 6298' 22. IF MULTIPLE COMPL., HOW MANY\* 23. INTERVALS DRILLED BY 24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)\* 5984-6002'; 6268-73' Paradox 15-DC UC-DOG 25. WAS DIRECTIONAL SURVEY MADE No

26. TYPE ELECTRIC AND OTHER LOGS RUN CNL/FDC; DLL, Borehole Compensated Sonic 27. WAS WELL CORED No

28. CASING RECORD (Report all strings set in well)

CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
13-3/8"	48#	84'	17-1/2"	125 sx (147.5 cu ft)	
8-5/8"	24#	2235'	12-1/4"	1500 sx (2431.5 cu ft)	
5-1/2"	15.5#	6342'	7-7/8"	500 sx (570 cu ft)	

29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
					2-7/8"	5960'	5960'

31. PERFORATION RECORD (Interval, size and number)

6268-73' w/20 .42" holes (4 SPF)  
5984-6002' w/84 .40" holes

32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.

DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED
6268-73'	w/1500 g. 15% HCL acid
5984-6002'	w/5500 g. 15% HCL acid
	+ 57 ball sealers

33.\* PRODUCTION

DATE FIRST PRODUCTION		PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)				WELL STATUS (Producing or shut-in)	
12-15-86		Flowing				Producing	
DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD	OIL—BBL.	GAS—MCF.	WATER—BBL.	GAS-OIL RATIO
12-16-86	4	26/64"	→	80	64	-0-	800/1
FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL—BBL.	GAS—MCF.	WATER—BBL.	OIL GRAVITY-API (CORR.)	
150#	Pkr	→	480	384	-0-	41°	

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)

Vented - Will be sold

TEST WITNESSED BY

Bill Hansen

35. LIST OF ATTACHMENTS

Logs

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records

SIGNED

TITLE

Production Supervisor

DATE

12-16-86

\*(See Instructions and Spaces for Additional Data on Reverse Side)

37. SUMMARY OF POROUS ZONES: (Show all important zones of porosity and contents thereof; cored intervals; and all drill-stem, tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures, and recoveries):

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	GEOLOGIC MARKERS		
				NAME	MEAS. DEPTH	TRUE VERT. DEPTH
				Dakota	Surface	
				Morrison	82	
				Entrada	978	
				Navajo	1171	
				Chinle	2128	
				Cutler	2937	
				Honaker Trail	4859	
				Paradox	5801	
				Ismay	5968	
				Desert Creek	6202	
				Akiah	6312	
				TD	6342	

RECEIVED  
DEC 23 1986

# FILING FOR WATER IN THE STATE OF UTAH

RECEIVED  
NOV 26 1986  
Rec. by CT  
Fee Paid \$ 15.00  
Platted 21435  
Microfilmed \_\_\_\_\_  
Roll # \_\_\_\_\_

DIVISION OF  
OIL, GAS & MINING

## APPLICATION TO APPROPRIATE WATER

For the purpose of acquiring the right to use a portion of the unappropriated water of the State of Utah, application is hereby made to the State Engineer, based upon the following showing of facts, submitted in accordance with the requirements of the Laws of Utah.

WATER USER CLAIM NO. 09 - 1489

APPLICATION NO. T62187

1. PRIORITY OF RIGHT: November 24, 1986

FILING DATE: November 24, 1986

2. OWNER INFORMATION

Name: Yates Petroleum Corporation  
Address: 105 South Fourth Street, Artesia, NM 88210  
The land is not owned by the applicant(s), see explanatory.

3. QUANTITY OF WATER: 5.0 acre feet (Ac. Ft.)

4. SOURCE: Artesian Well DRAINAGE: San Juan River

POINT(S) OF DIVERSION:

COUNTY: San Juan

(1) N. 50 feet, W. 480 feet, from the E $\frac{1}{4}$  Corner of Section 12,  
Township 38 S, Range 24 E, SLB&M

Description of Diverting Works: 8 inch diameter well 506 ft.

COMMON DESCRIPTION: 7.5 ml. N. Hatch Trading Post

5. STORAGE

Water is to be stored in Unnamed reservoir from January 1 to December 31.

Capacity 5.0 ac.ft. Innundating 0.25 acres. Height of dam 4 feet.

The area innundated by the reservoir includes all or part of each of the following legal subdivisions.

TOWN RANGE SEC	North East Quarter				North West Quarter				South West Quarter				South East Quarter			
	NE $\frac{1}{4}$	NW $\frac{1}{4}$	SW $\frac{1}{4}$	SE $\frac{1}{4}$	NE $\frac{1}{4}$	NW $\frac{1}{4}$	SW $\frac{1}{4}$	SE $\frac{1}{4}$	NE $\frac{1}{4}$	NW $\frac{1}{4}$	SW $\frac{1}{4}$	SE $\frac{1}{4}$	NE $\frac{1}{4}$	NW $\frac{1}{4}$	SW $\frac{1}{4}$	SE $\frac{1}{4}$
38 S 24 E 12	X															

All locations in Salt Lake Base and Meridian

6. NATURE AND PERIOD OF USE

Oil Exploration From November 24 to November 24.

7. PURPOSE AND EXTENT OF USE

Oil Exploratio: Oil Well Drilling

8. PLACE OF USE

The water is used in all or parts of each of the following legal subdivisions.

TOWN RANGE SEC	North East Quarter				North West Quarter				South West Quarter				South East Quarter			
	NE $\frac{1}{4}$	NW $\frac{1}{4}$	SW $\frac{1}{4}$	SE $\frac{1}{4}$	NE $\frac{1}{4}$	NW $\frac{1}{4}$	SW $\frac{1}{4}$	SE $\frac{1}{4}$	NE $\frac{1}{4}$	NW $\frac{1}{4}$	SW $\frac{1}{4}$	SE $\frac{1}{4}$	NE $\frac{1}{4}$	NW $\frac{1}{4}$	SW $\frac{1}{4}$	SE $\frac{1}{4}$
38 S 23 E 13							X									

All locations in Salt Lake Base and Meridian

Wash Ind #,

EXPLANATORY

Appropriate



STATE ENGINEER'S ENDORSEMENT

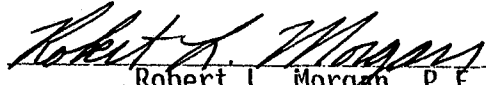
WATER USER'S CLAIM NO. 09 - 1489

APPLICATION NO. T62187

1. November 24, 1986    Application received by MP.
  2. November 24, 1986    Application designated for APPROVAL by MP and SG.
  3. Comments:
- 
- 

Conditions:

This application is hereby APPROVED, dated December 5, 1986, subject to prior rights and this application will expire on December 5, 1987.

  
Robert L. Morgan, P.E.  
State Engineer

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

SUBMIT IN TRIPLICATE\*  
(Other instructions re-  
verse side)

Form approved.  
Budget Bureau No. 1004-0135  
Expires August 31, 1985.

5. LEASE DESIGNATION AND SERIAL NO.

U-55626

POW

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

050722

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

Wash Federal

9. WELL NO.

1

10. FIELD AND POOL, OR WILDCAT

Wildcat

11. SEC., T., R., M., OR BLK. AND  
SURVEY OR AREA

Sec. 13-T38S-R23E

12. COUNTY OR PARISH 13. STATE

San Juan

Utah

1. OIL WELL ☒ GAS WELL ☐ OTHER ☐

2. NAME OF OPERATOR

Yates Petroleum Corporation

3. ADDRESS OF OPERATOR

105 South 4th St., Artesia, NM 88210

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.\*  
See also space 17 below.)  
At surface

2150' FNL & 660' FWL, Sec. 13-T38S-R23E

14. PERMIT NO.

API #43-037-31292

15. ELEVATIONS (Show whether DF, RT, GR, etc.)

5394' GR

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF ☐

FRACTURE TREAT ☐

SHOOT OR ACIDIZE ☐

REPAIR WELL ☐

(Other) Request permission to flare gas.

PULL OR ALTER CASING ☐

MULTIPLE COMPLETE ☐

ABANDON\* ☐

CHANGE PLANE ☐

SUBSEQUENT REPORT OF:

WATER SHUT-OFF ☐

FRACTURE TREATMENT ☐

SHOOTING OR ACIDIZING ☐

(Other) ☐

REPAIRING WELL ☐

ALTERING CASING ☐

ABANDONMENT\* ☐

(NOTE: Report results of multiple completion on Well  
Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)\*

We respectfully request approval to flare 20 mcf of gas from this oil well.

RECEIVED  
MAY 05 1987

DIVISION OF  
OIL, GAS & MINING

18. I hereby certify that the foregoing is true and correct

SIGNED

*Guaranta Doodlett*

TITLE

Production Supervisor

DATE

4-30-87

(This space for Federal or State office use)

APPROVED BY

CONDITIONS OF APPROVAL, IF ANY:

TITLE

DATE

\*See Instructions on Reverse Side

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT

FORM APPROVED  
Budget Bureau No. 1004-0135  
Expires: March 31, 1993

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.  
Use "APPLICATION FOR PERMIT—" for such proposals

DIV. OF OIL, GAS & MINING  
SUBMIT IN TRIPLICATE

5. Lease Designation and Serial No.

U-55626

6. If Indian, Allottee or Tribe Name

7. If Unit or CA, Agreement Designation

8. Well Name and No.

Wash Federal #1

9. API Well No.

43-037-31292

10. Field and Pool, or Exploratory Area

Wildcat

11. County or Parish, State

San Juan Co., Utah

1. Type of Well

☒ Oil Well ☐ Gas Well ☐ Other

2. Name of Operator

YATES PETROLEUM CORPORATION

(505) 748-1471

3. Address and Telephone No.

105 South 4th St., Artesia, NM 88210

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

2150' FNL & 660' FWL of Section 13-T38S-R23E (Unit E, SWNW)

12. CHECK APPROPRIATE BOX(s) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

- ☐ Notice of Intent  
☒ Subsequent Report  
☐ Final Abandonment Notice

TYPE OF ACTION

- ☒ Abandonment  
☐ Recompletion  
☐ Plugging Back  
☐ Casing Repair  
☐ Altering Casing  
☐ Other

- ☐ Change of Plans  
☐ New Construction  
☐ Non-Routine Fracturing  
☐ Water Shut-Off  
☐ Conversion to Injection  
☐ Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form)

13 Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)\*

8-22-95 - Moved in and rigged up pulling unit. Load casing with brine water. Nipple down wellhead. Nipple up BOP. Unseat packer and TOOH with tubing and packer.  
8-23-95 - Set CIBP at 5900'. TIH with tubing and tagged CIBP. Mixed and pumped 6 sacks Class B cement from 5900-5847'. Pulled up above cement and spot 9# mud to 4500'. POOH.  
8-24-95 - Stretched casing - estimate free point at 3142'. Shot casing at 3500'. Casing did not come free. Reshot casing at 3000'. POOH with 5-1/2" casing. TIH with 2-7/8" tubing. Spot mud to 3050'. Pulled up to 3080'. Mixed and pumped 32 sacks Class B cement from 3080-2900'.  
8-25-95 - Tagged plug at 2927'. Spot mud to 2235'. POOH with tubing and laid down 5-1/2" casing. TIH with tubing to 2285'. Mixed and pumped 45 sacks Class B cement from 2285-2185'. Pulled up above cement and spot mud to surface. POOH. TIH with tubing. Mixed and pumped 38 sacks Class B cement from 130' to surface.  
8-26-95 - Rigged down pulling unit. Cleaned location. Installed regulation abandonment marker. PLUGGED AND ABANDONED FINAL REPORT.

14. I hereby certify that the foregoing is true and correct

Signed

*Rusty Klein*

Title

Production Clerk

Date

Aug. 30, 1995

(This space for Federal or State office use)

Approved by

Conditions of approval, if any:

Title

Date